



Topics covered in this Newsletter –

- 1. Elscint Vibratory Hoppers**
- 2. Elscint Vibratory Bowl Feeders for Needles**

Good morning! Please find enclosed the Elscint October newsletter. In this newsletter, as usual two topics are covered, one informing about a very important accessory which goes with a bowl feeder while the other is about a special high speed vibratory bowl feeder made for a specific application i.e. feeding of small needles or rollers. Elscint tries to standardized a lot of special applications so that the benefit of lower costs due to standardization can be passed onto the customers. In case you have a special application, do let us know and we shall be happy to cater to your requirements – just call us or email us, and our sales team shall promptly attend to your needs. Lastly, we hope you find this newsletter informative and useful and would be happy to receive feedback from your end on the same as well on making the newsletter better.

1. Elscint Vibratory Hoppers

Elscint Automation manufactures various types of vibratory hoppers. These can be used either for feeding of bulk powders or even components. These are also called stock hoppers. The hoppers can be of various sizes according to customer requirements. These can be provided either in stainless steel or mild steel. In case desired by the customer, they can even be lined / coated with suitable material. Every drive unit is supplied with separate electronic soft start controller by which the feed rate or flow can be varied infinitely. Level controllers for controlling the component level can be optionally provided. Standard units are suitable for electrical supply of 230 volts, 50 Hz. In case of requirement, even 110 V / 60 Hz units can be supplied. Any of the five models Elscint

linear vibratory feeders, i.e. Elscint I, II, III, IV and V are used for these. These linear vibratory drive units are correctly engineered to give stable performance at high speed with minimum maintenance. Totally encapsulated type coils with adequate power for particular models are used. The advantage of these vibratory hoppers / stock feeders is that one can choose a vibratory bowl feeder of small size and use stock feeder of higher capacity for augmenting the supply of components in the bowl feeder. The level controller makes this process totally automatic and man-less. Hoppers are available from 15 litres capacity to even 100 litres capacity. These types of equipments are available at a very short delivery period and are very competitively priced.



2. Elscint Vibratory Bowl Feeders for Needles

Elscint Automation manufactures a special vibratory bowl Feeder for feeding of Needles upto dia 6 mm. A special cast aluminium bowl having less track width is mounted on the Elscint vibratory drive unit Model 250. An Elscint changeover tooling set is provided which makes it possible to feed any size of needle upto dia 6 mm in this bowl. The Elscint changeover tooling set helps changeover from one size to another very fast and convenient. Lengths of needles that can be fed through this parts feeder can go upto 50 mm. A very high speed can be achieved with this vibratory bowl feeder. Speeds upto 10 meters per minute (1000 pcs per minute for 10 mm length Needles) can be achieved very easily. Polyurethane tubes for each size are provided so that the needles can be used wherever required. Alternatively, spring tubes can also be offered. The cast aluminium bowl is lined with suitable bowl coating which helps the needles to be fed properly. An Elscint silo is provided as an optional accessory to increase the loading capacity of the bowl. The standard Elscint silo has a capacity of 8 Litres by volume. This increases the bowl capacity tremendously and reduces the frequency of loading of components into the feeder bowl. The silo is lined with Elscinthane polyurethane lining to increase its life and improve its performance. There is a cast aluminium dome placed on the bowl which rotates in the same direction as the bowl, further increasing the speed of the feeder. The silo also rotates along with the dome, thereby eliminating jamming / bridging of needles inside the silo. The Elscint vibrator model 250 is available with a unique “Elscint chute

plate” design. If the dome is manually removed, the needles fall into the bowl centre and can be collected outside due to the “chute plate” design. This vibratory bowl feeder adds tremendous value for needle manufacturers and helps improve their productivity. These being a standard vibratory bowl feeder, it is kept in stock and can be provided immediately.



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